

Fig. 1

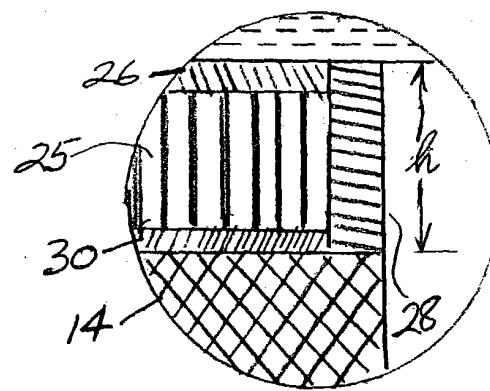


FIG. 2

311

Coupling a surface of a heat source to a first surface of an array of carbon nanotubes

321

Interposing a layer between at least one of the heat source and a heat sink and at least one of either a first or a second surface of the array of carbon nanotubes .

323

Coupling a heat sink to a second surface of an array of substantially aligned carbon nanotubes

325

Bonding the other surface of the heat source to a substrate

327

FIG. 3

411

Growing an array of substantially aligned carbon nanotubes from a surface of a heat sink

421

Forming an adhesion layer on the surface of the die.

423

Forming an adhesion layer on some of the carbon nanotubes of the array of carbon nanotubes

425

Contacting the surface of a heat sink with free ends of nanotubes of the array of carbon nanotubes

427

FIG. 4

511

Coupling a heat sink to a first surface
of an array of carbon nanotubes

521

Applying an adhesion promoting
coating to at least one of either the
surface of a heat source or some of the
carbon nanotubes of the array of
carbon nanotubes

523

Coupling the heat source to a second
surface of the array of carbon
nanotubes.

525

FIG.5

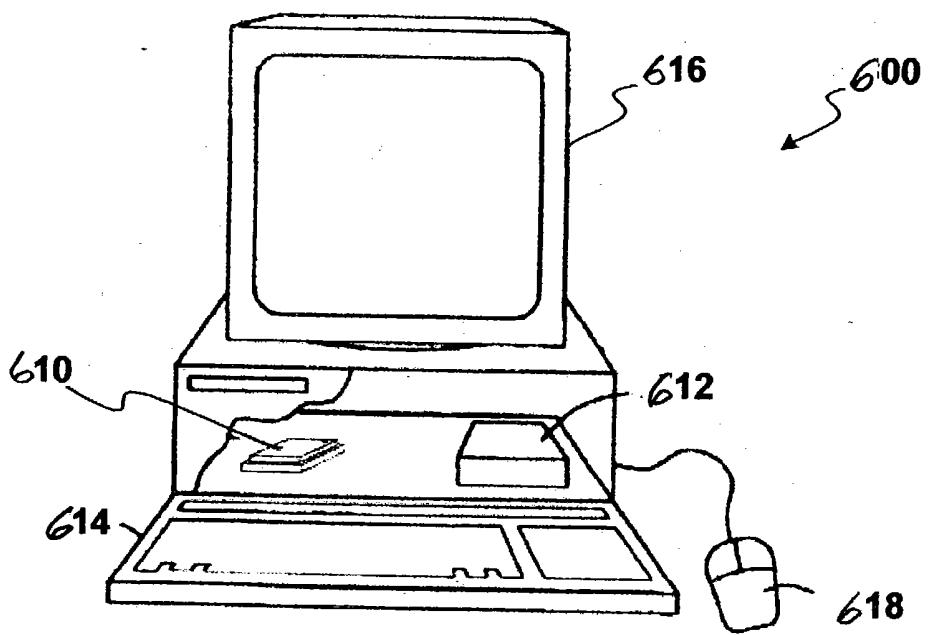


FIG. 6